

Substitute for Form PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 014975-116 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>107533873</b>
INTERNATIONAL APPLICATION NO. PCT/FI2003/000824	INTERNATIONAL FILING DATE 5 November 2003 (05.11.2003)	PRIORITY DATE CLAIMED 5 November 2002 (05.11.2002)
TITLE OF INVENTION  ARRANGEMENT FOR CONTROLLING ROCK DRILLING		
APPLICANT(S) FOR DO/EO/US NOEL, Roger		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.</li> <li><input type="checkbox"/> The US has been elected b□the expiration of 19 months from the priorit□date (Article 31).</li> <li><input checked="" type="checkbox"/> A cop□of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is attached hereto (required on□if not communicated b□the International Bureau).</li> <li><input type="checkbox"/> has been communicated b□the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto.</li> <li><input type="checkbox"/> has been previousl□submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> are attached hereto (required on□if not communicated b□the International Bureau).</li> <li><input type="checkbox"/> have been communicated b□the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> An English language translation of the annexes of the International Preliminar□Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 21 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input checked="" type="checkbox"/> A FIRST preliminar□amendment.</li> <li><input type="checkbox"/> A SECOND or SUBSEQUENT preliminar□amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorne□and/or address letter.</li> <li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</li> <li><input type="checkbox"/> A second cop□of the published international application under 35 U.S.C. 154(d)(4).</li> <li><input type="checkbox"/> A second cop□of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li><input checked="" type="checkbox"/> Other items or information:             <ol style="list-style-type: none"> <li>General Authorization for Petitions for Extensions fo Time and Pa□ment Fees</li> <li>Application Data Sheet</li> <li>Form PCT/ISA/210 (International Search Report)</li> <li>Form PCT/IPEA/409 (International Preliminar□Report)</li> <li>Declaration of Inventors from PCT Application</li> </ol> </li> </ol>		

10/533873

U.S. APPLICATION NO. (If known, See 37 CFR 1.55)		INTERNATIONAL APPLICATION NO. PCT/FI2003/000824		ATTORNEY'S DOCKET NUMBER 014975-116	
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<p>21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information:  <u>SANDVIK TAMROCK OY, Tampere, Finland</u></p> <p>22. <input checked="" type="checkbox"/> The following fees are submitted:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4">Basic Filing Fee (1631)</td> <td style="text-align: right;">\$ 300.00</td> </tr> <tr> <td colspan="4">Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30</td> <td></td> </tr> <tr> <td style="text-align: center;">CLAIMS</td> <td style="text-align: center;">NUMBER FILED</td> <td style="text-align: center;">NUMBER EXTRA</td> <td style="text-align: center;">RATE</td> <td style="text-align: center;">\$</td> </tr> <tr> <td>Total Claims</td> <td style="text-align: center;">16</td> <td style="text-align: center;">-20 = 0</td> <td style="text-align: center;">x \$50.00 (1615)</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td>Independent Claims</td> <td style="text-align: center;">3</td> <td style="text-align: center;">-3 = 0</td> <td style="text-align: center;">x \$200.00 (1614)</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td style="text-align: center;">+ \$360.00 (1616)</td> <td></td> </tr> <tr> <td colspan="3">Examination Fee</td> <td style="text-align: center;">+ \$200.00 (1633)</td> <td style="text-align: right;">\$ 200.00</td> </tr> <tr> <td colspan="3">Search Fee</td> <td style="text-align: center;">+ \$400.00 (1632)</td> <td style="text-align: right;">\$ 400.00</td> </tr> <tr> <td colspan="4">App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="4"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.         </td> <td style="text-align: right;">+ \$ 0.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 (1618) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)). <input type="checkbox"/> 20 <input type="checkbox"/> 30</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL FEES ENCLOSED =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Amount to be refunded :</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">charged :</td> </tr> </table> <p>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Charge <u>\$ 900.00</u> to credit card. Form PTO-2038 is attached.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Burns, Doane, Swecker &amp; Mathis, L.L.P.  P.O. Box 1404  Alexandria, Virginia 22313-1404  (703) 836-6620</p> <div style="text-align: right; margin-top: 20px;"> <p><i>Ronald L. Grudziecki</i>  SIGNATURE</p> <p><i>for:</i> Ronald L. Grudziecki  NAME</p> <p><u>24,970</u>      <u>May 5, 2005</u>  REGISTRATION NO.      DATE</p> </div>	Basic Filing Fee (1631)				\$ 300.00	Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). <input type="checkbox"/> 20 <input type="checkbox"/> 30					CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total Claims	16	-20 = 0	x \$50.00 (1615)	\$ 0.00	Independent Claims	3	-3 = 0	x \$200.00 (1614)	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00 (1616)		Examination Fee			+ \$200.00 (1633)	\$ 200.00	Search Fee			+ \$400.00 (1632)	\$ 400.00	App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)					TOTAL OF ABOVE CALCULATIONS =				\$ 900.00	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
Roger NOEL	)	Group Art Unit:
Application No.: Unassigned	)	Examiner:
Filed: May 5, 2005	)	Confirmation No.:
For: ARRANGEMENT FOR CONTROLLING	)	
ROCK DRILLING	)	
	)	
	)	

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: May 5, 2005

By: Wendy Weinstein, Reg. No. 34,456  
for Ronald L. Grudziecki  
Registration No. 24,970

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